

Name _____

Period _____

Locating Active Volcanoes

Lab Preview

What are lines of latitude and longitude? _____

Problem:

Is there a relationship between the locations of active volcanoes and the locations of earthquake epicenters?

Objectives:

- Plot the locations of several active volcanoes
- Describe any relationship you see between locations of volcanoes and locations of earthquake epicenters

Data and Observations

Volcano	Latitude	Longitude	Volcano	Latitude	Longitude
#1	64° N	19° W	#11	15° N	43° E
#2	28° N	34° E	#12	6° N	75° W
#3	43° S	172° E	#13	64° S	158° E
#4	35° N	136° E	#14	38° S	78° E
#5	18° S	68° W	#15	21° S	56° E
#6	25° S	114° W	#16	38° N	26° E
#7	20° N	155° W	#17	7° S	13° W
#8	54° N	167° W	#18	2° S	102° E
#9	16° N	122° E	#19	38° N	30° W
#10	28° N	17° W	#20	54° N	159° E

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Understanding and Applying

1. Describe any patterns of locations of active volcanoes on Earth. _____

2. Describe any pattern of locations of earthquake epicenters. _____

3. Describe any relationship between volcanoes, earthquake epicenters, and the locations of Earth's plate boundaries. _____
